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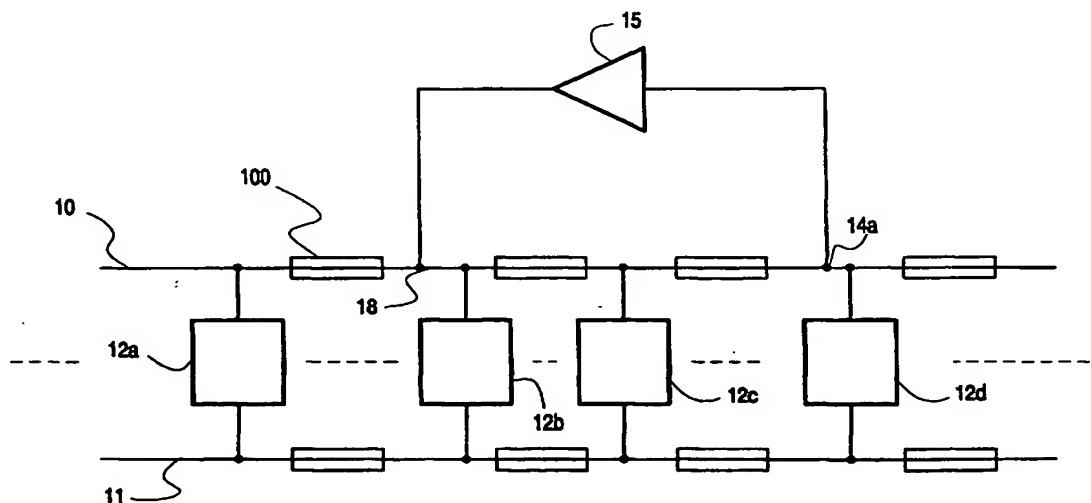
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(54) Title: SUPPRESSION OF NOISE IN AN INTEGRATED CIRCUIT



(57) **Abstract:** Sub-circuits of an integrated circuit can act as noise sources on common conductors such as power supply lines and the substrate. Each of these conductors may act as a noise medium capable of transferring noise signals from the noise source to other sub-circuits. One or more feedback circuits are coupled between input and output points on opposite sides of where a circuit to be protected is connected to such a medium, so that an output of the feedback circuit is coupled to the noise medium closer to certain noise sources than the input of the feedback circuit. Preferably, multiple feedback circuits are cross-coupled and have transfer connections so that coupling between the input and outputs of different feedback circuit is at least partially suppressed.